

The Strabuc 918 is a fully retractable oil-hydraulic traffic control post for preventing and restricting all kinds of vehicle access

- The Strabuc 918 is composed of a cylindrical post in treated, painted Fe steel, that moves vertically from a fixed underground housing, driven by an oil-hydraulic piston and hydraulic motor pump unit built-in to the automation.
- The entire movement is supported by three runner rods for perfect linearity and straightness of the movement
- Stoppage of the retractable post is guaranteed by two internal limit switches that cut-off the electricity supply to the hydraulic main unit.
- At the top of the retractable post a rubber buffer guarantees protection against collisions or impact during movement
- Nine flashing amber LEDs positioned around the retractable post throughout the ascent and descent movement and during the pause phase
- Retro reflective adhesive makes the obstacle visible even at night
- Ten-metre lengths of all the electrical power supply cables (electric motor, limit switches, LEDs and release solenoid valve if present) are provided.
- Optional devices such as the movement buzzer and release solenoid valve, with immediate lowering of the post during a blackout, are available subject to request by the customer
- The whole operator is controlled by an Elpro S40 electronic micro processor programmer, which can manage up to four traffic control posts
- The operators underground installation has been specifically designed to guarantee operation at all times and in even the most extreme conditions
- Strabuc 918 is protected from internal flooding by the three large drainage holes situated on the base of the cylinder enclosing the whole operator
- Having cemented the cylindrical container into the ground, the Strabuc 918 is securely fastened using an aluminium cover collar and four stainless steel screws



Siti 63/2TR  
433.97 MHz  
radio  
transmitter



Prit 19  
key  
switch



Entrance and exit  
metal loop detectors



EAR 35 emergency  
siren detector  
with "break glass"  
emergency push button

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Here are some diagrams and images of the Strabuc 918



Strabuc 918 in-situ

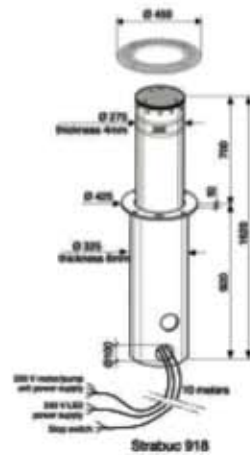


Strabuc 918 fully retracted and flush with ground level

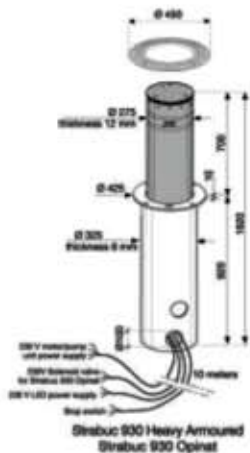
Electric motor		Hydraulic main unit	
Output	0.25KW (0.33HP)	Hydraulic pump	P10
Consumption power	330W	Pump flow rate	4.45 l/min
Power supply voltage	230V±10%	Operating pressure	2 MPa (20bars)
Frequency	50Hz	Maximum pressure	4 MPa (40bars)
Absorbed current	1.8A	Operating temperature	-20°C +80°C
Turning speed	2 800 rpm	Hydraulic oil type	OL A15 by AGIP
Intermittent service	S3	Static weight	10Kg
LED power supply	230V 50Hz	Protection class	IP54

Oil-hydraulic piston	Strabuc 918
Plunger diameter	30 mm
Rod diameter	16 mm
Net rod travel	740 mm
Rod exit time	6 secs
Calibrated thrust	36 daN
<b>Performance</b>	
Shock resistance	10'000J
Maximum static load	20'000Kg
Service cycle:	6s ascent 30s pause 6s descent
Full cycle time	42 seconds
Full Opening - Pause - Closing cycles	85/hour
Annual cycles (considering 8-hour working day)	250'000
Complete weight of Strabuc	128Kg
Complete protection Class	IP67
Post colour	RAL 1028 Melon yellow
Column material	Fe 360 steel

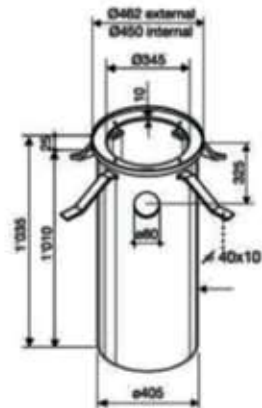
Oil-hydraulic piston	Strabuc 930 Heavy Armoured
Plunger diameter	40 mm
Rod diameter	16 mm
Net rod travel	740 mm
Rod exit time	10 secs
Calibrated thrust	36 daN
<b>Performance</b>	
Shock resistance	15'000J
Maximum static load	20'000Kg
Service cycle:	10s ascent 30s pause 10s descent
Full cycle time	50 seconds
Full Opening - Pause - Closing cycles	72/hour
Annual cycles (considering 8-hour working day)	210'000
Complete weight of Strabuc	180Kg
Complete protection Class	IP67
Post colour	RAL 7016 - Anthracite Gray
Column material	Fe 360 steel



Strabuc 918



Strabuc 930 Heavy Armoured  
Strabuc 930 Opimat



Cylindrical container,  
seat of the Strabuc 918,  
Strabuc 930 Heavy Armoured  
and Strabuc 930 Opimat

Cylindrical Container (to be cemented)	
Material	"Fe 360" sheet iron
Treatment	Cataphoresis-treated, black
Calandered sheet metal thickness	1.5 mm
Anchoring flange thickness	10 mm
4 Support plate clamping bolts	M10x30
4 Washers	Ø10
4 Flat support plates	plates 40x10
Complete weight	25 Kg

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Accessories for all Strabuc Traffic Control posts



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transmitter



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key  
switch



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metal loop detectors



EAR 35 emergency  
siren detector  
with "break glass"  
emergency push button



Elpro S40 Electronic microprocessor  
programmer



Cabinet for outdoor  
installation



Three-lamp  
traffic lights



Two-module Visual 344  
cabinet for control  
accessory installation



Road signs